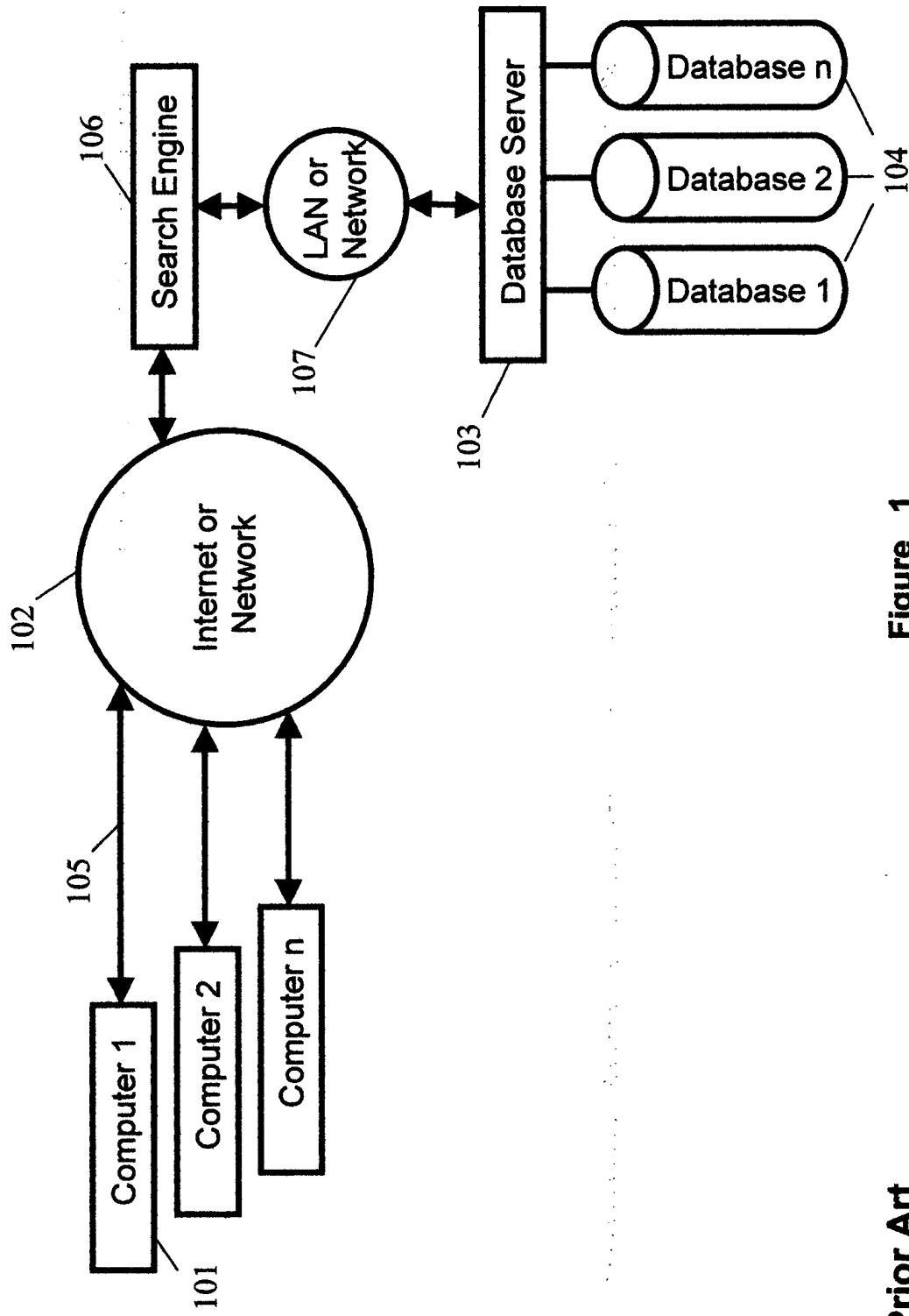


## Conventional Network Based Information Search Paradigm

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com



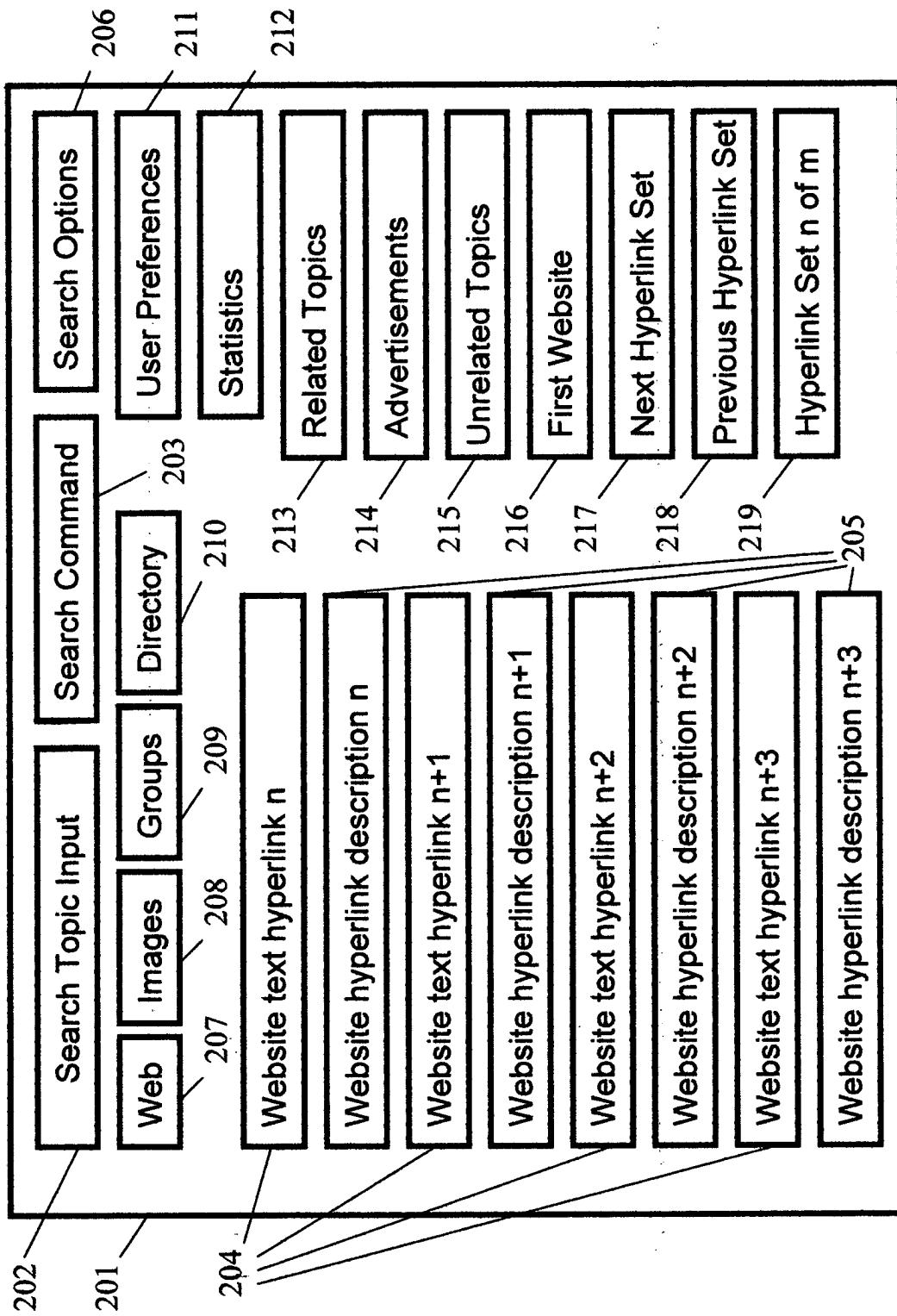
Prior Art

Figure 1

## Conventional Web Search Display Paradigm

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Driv , North Andover, MA 01845, 978-794-1053, alan@swahn.com



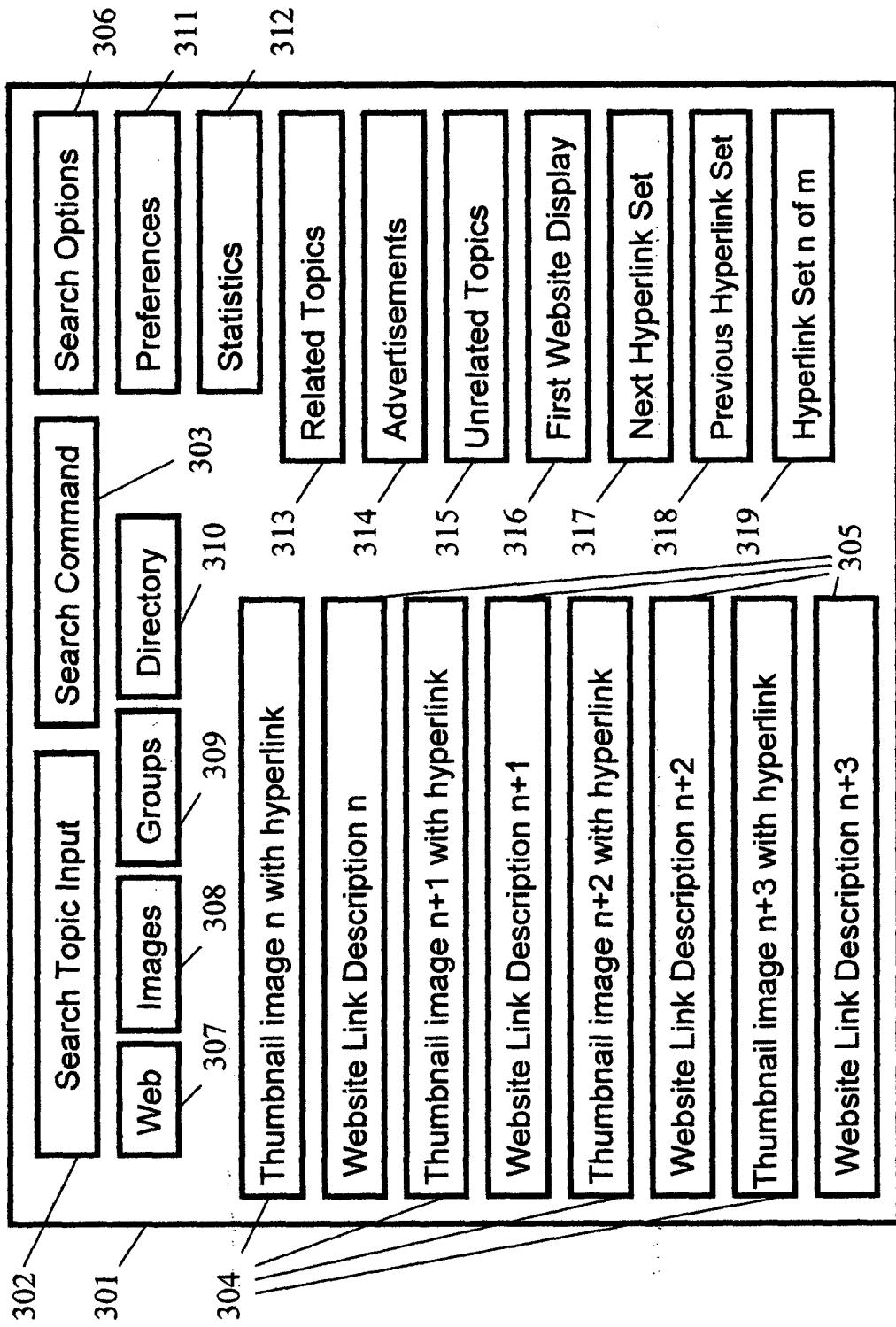
Prior Art

Figure 2

## Conventional Image Search Display Paradigm

"Information Retrieval and Display System"

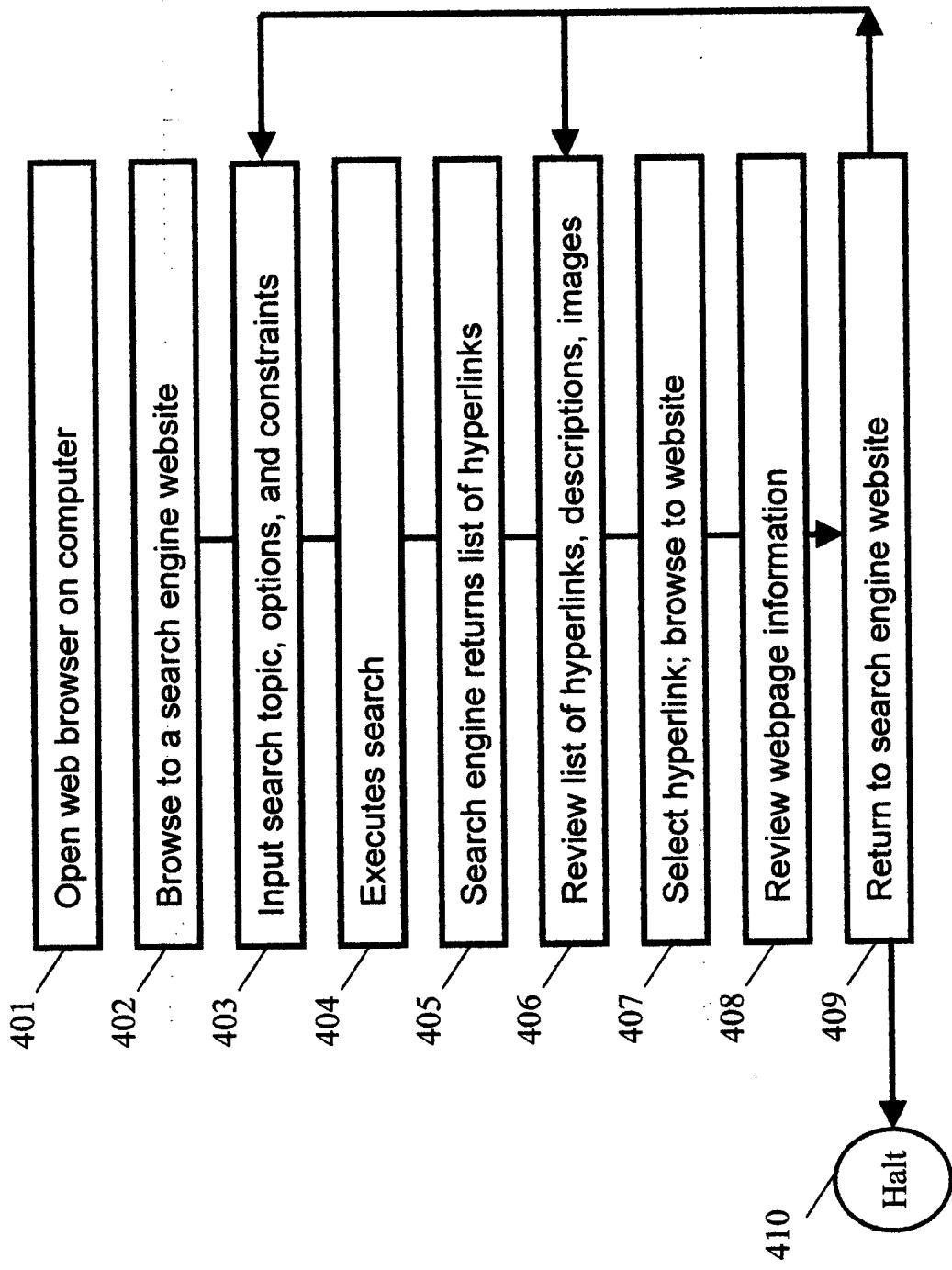
Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com



Prior Art

Figure 3

## Conventional Information Acquisition and Review Cycle



Prior Art

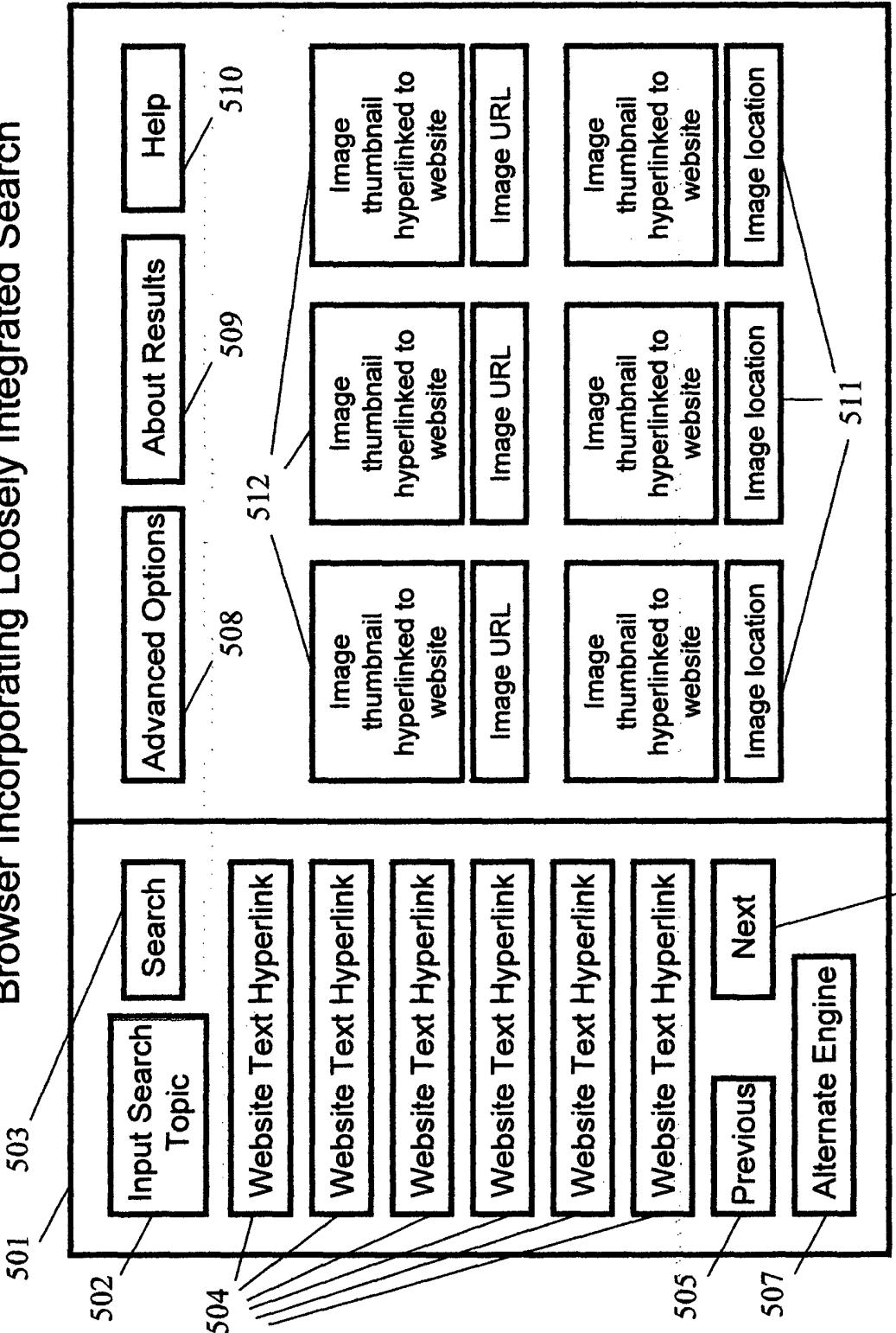
Figure 4

"Information Retrieval and Display System"  
Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

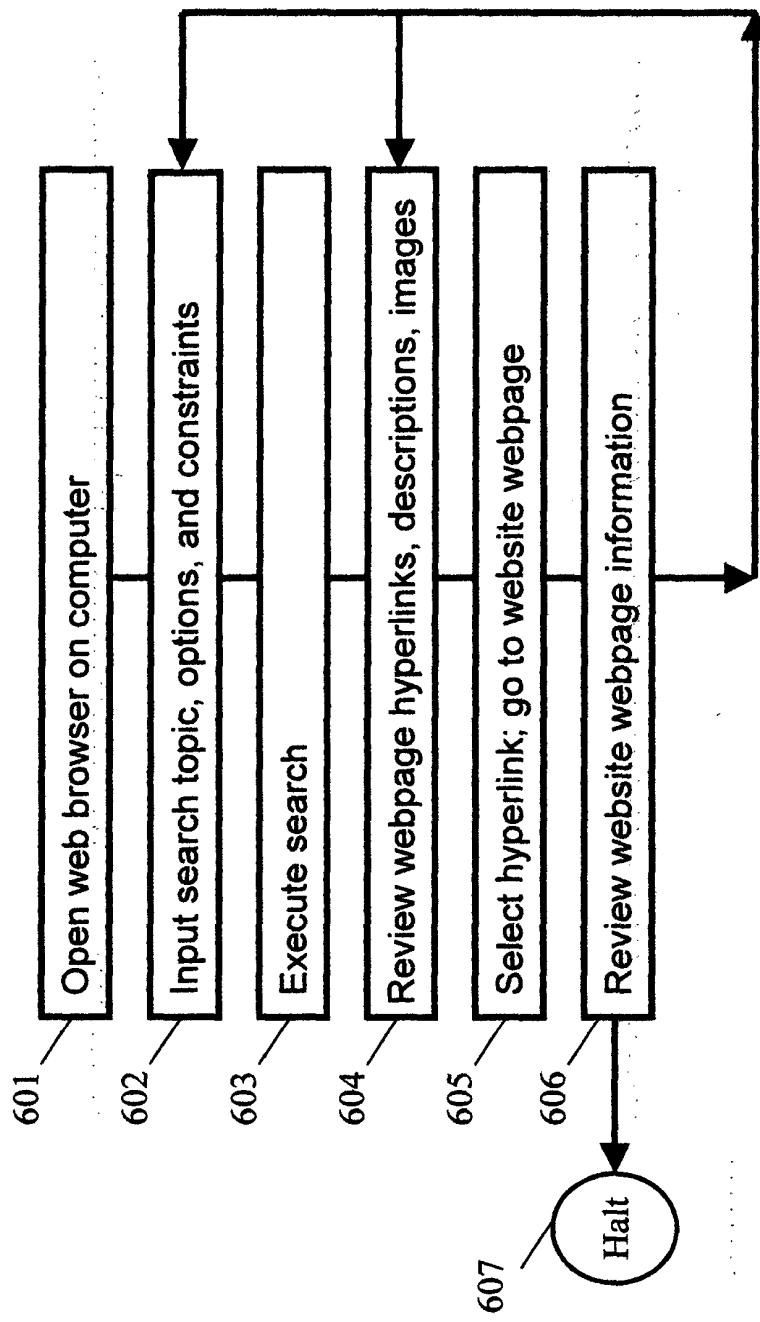
Browser Incorporating Loosely Integrated Search



Prior Art

Figure 5

**Conventional Information Acquisition and Review Cycle  
for a Browser Incorporating Loosely Integrated Search**



Prior Art

Figure 6

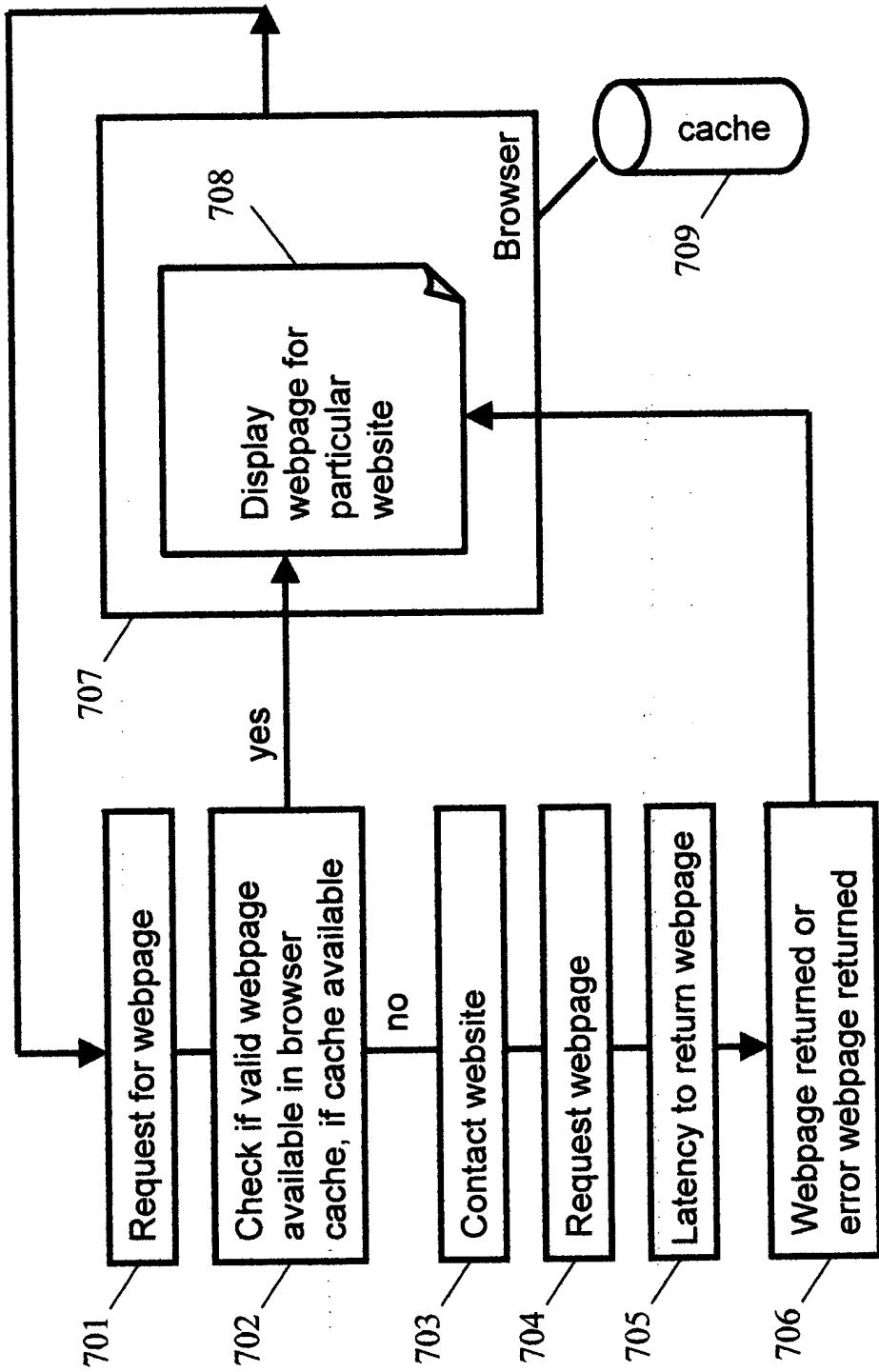
"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

Conventional Serial Webpage Loading Cycle



Prior Art

Figure 7

**Information Retrieval and Display System ("IRDS")**  
**IRDS Enhanced Browser or Add-on to Conventional Browser**

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

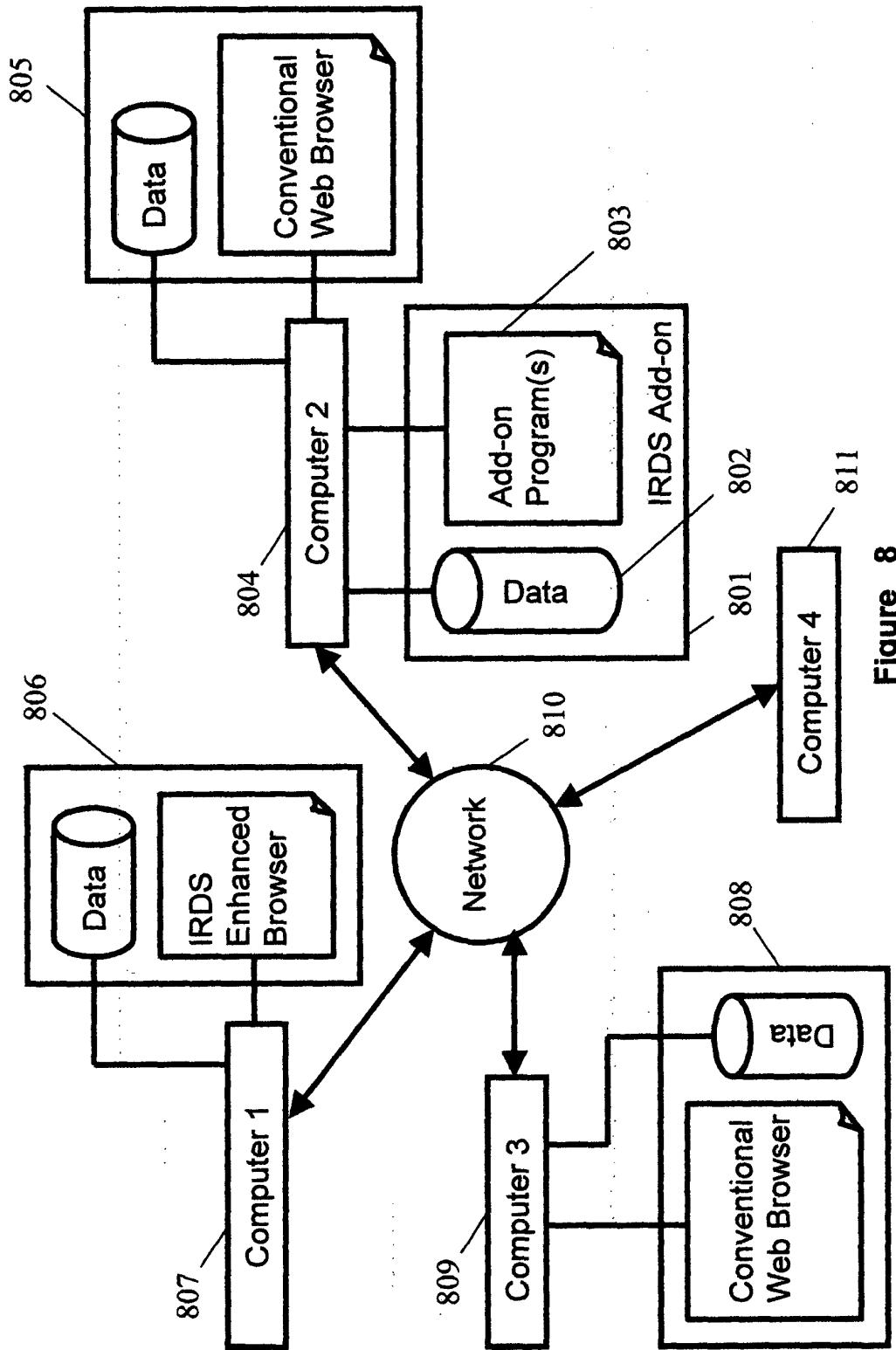


Figure 8

"Information Retrieval and Display System"  
Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

## IRDS Enhanced Browser Single Webpage Display

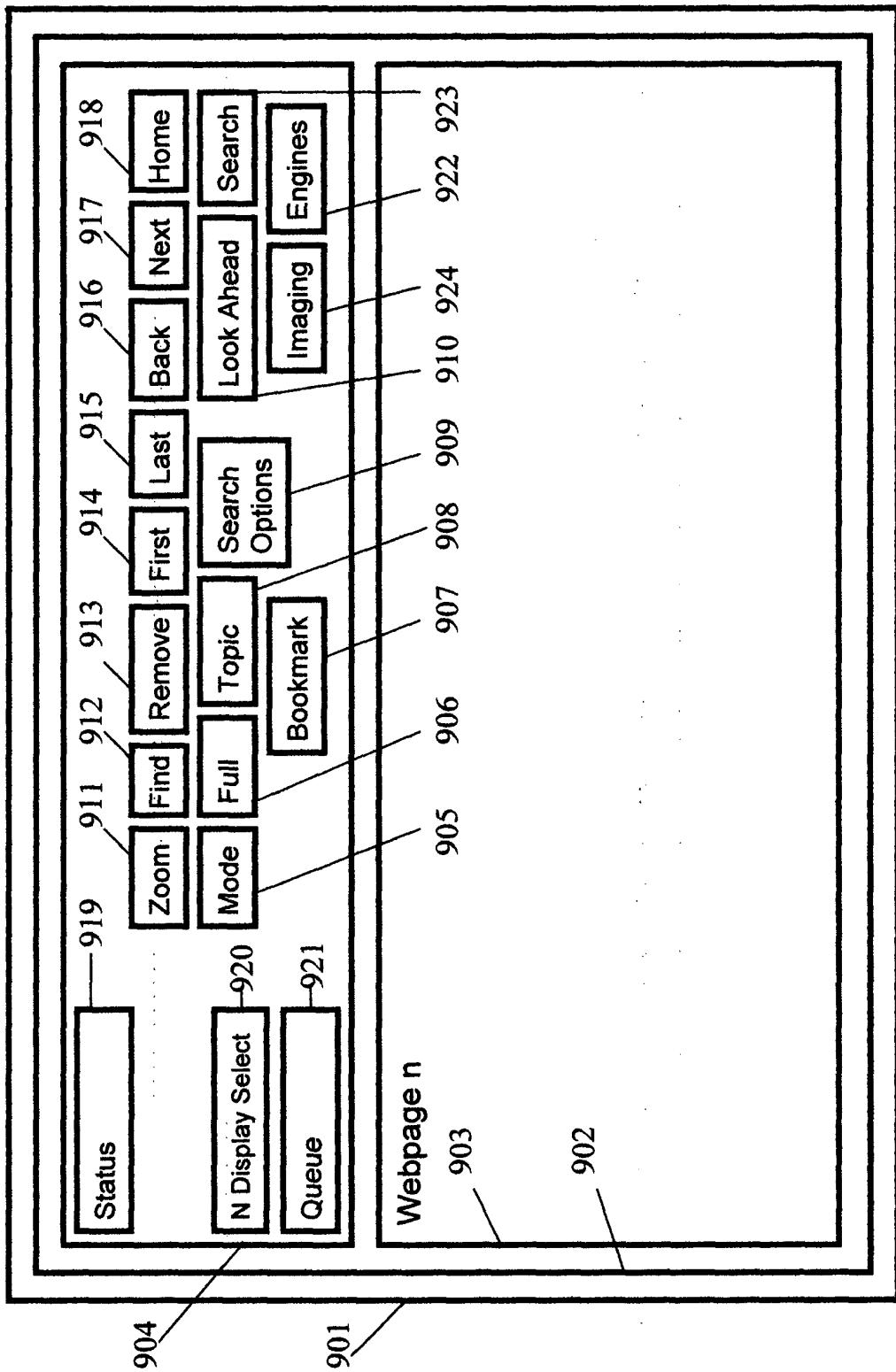


Figure 9

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

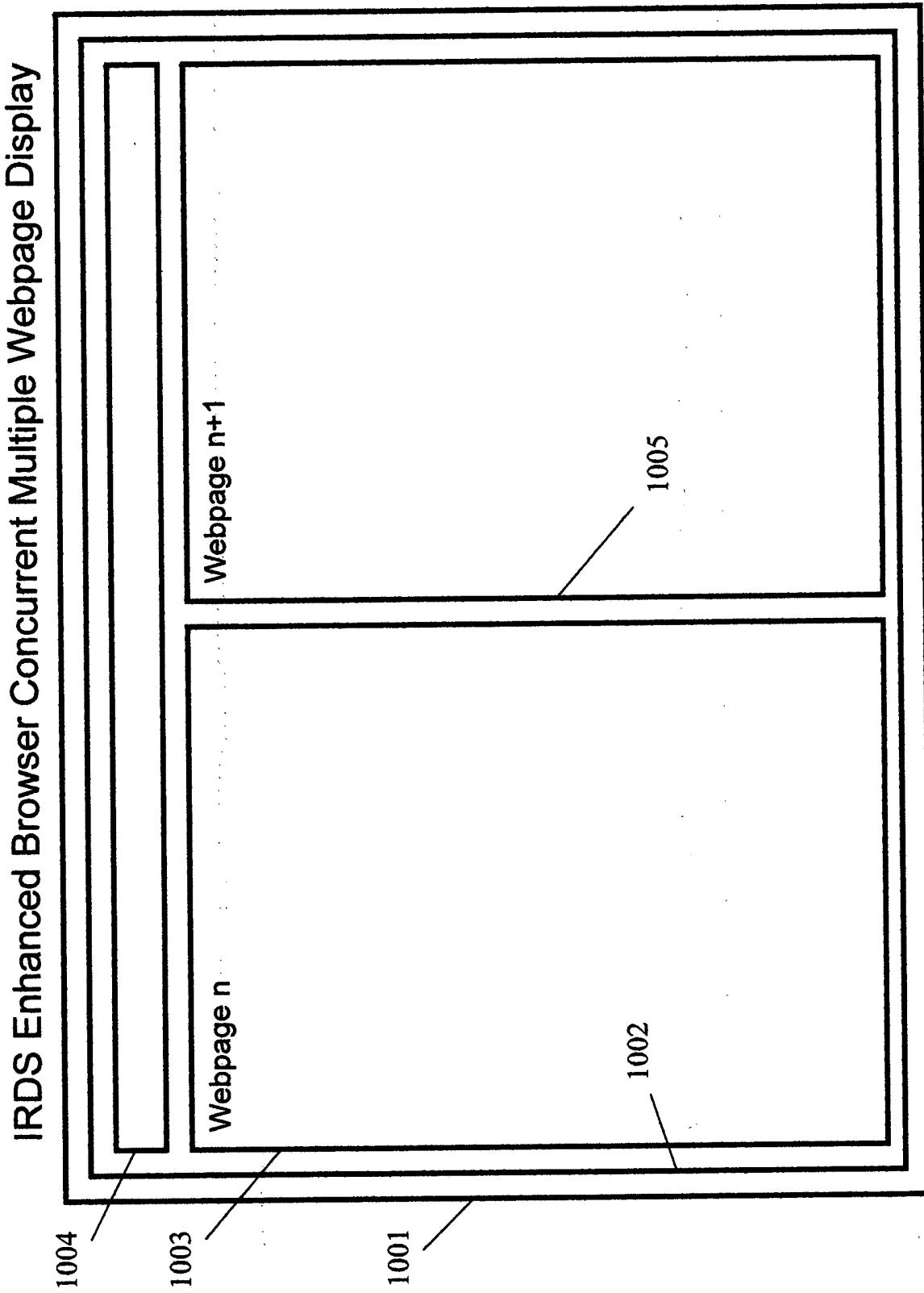


Figure 10

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Driv , North Andover, MA 01845, 978-794-1053, alan@swahn.com

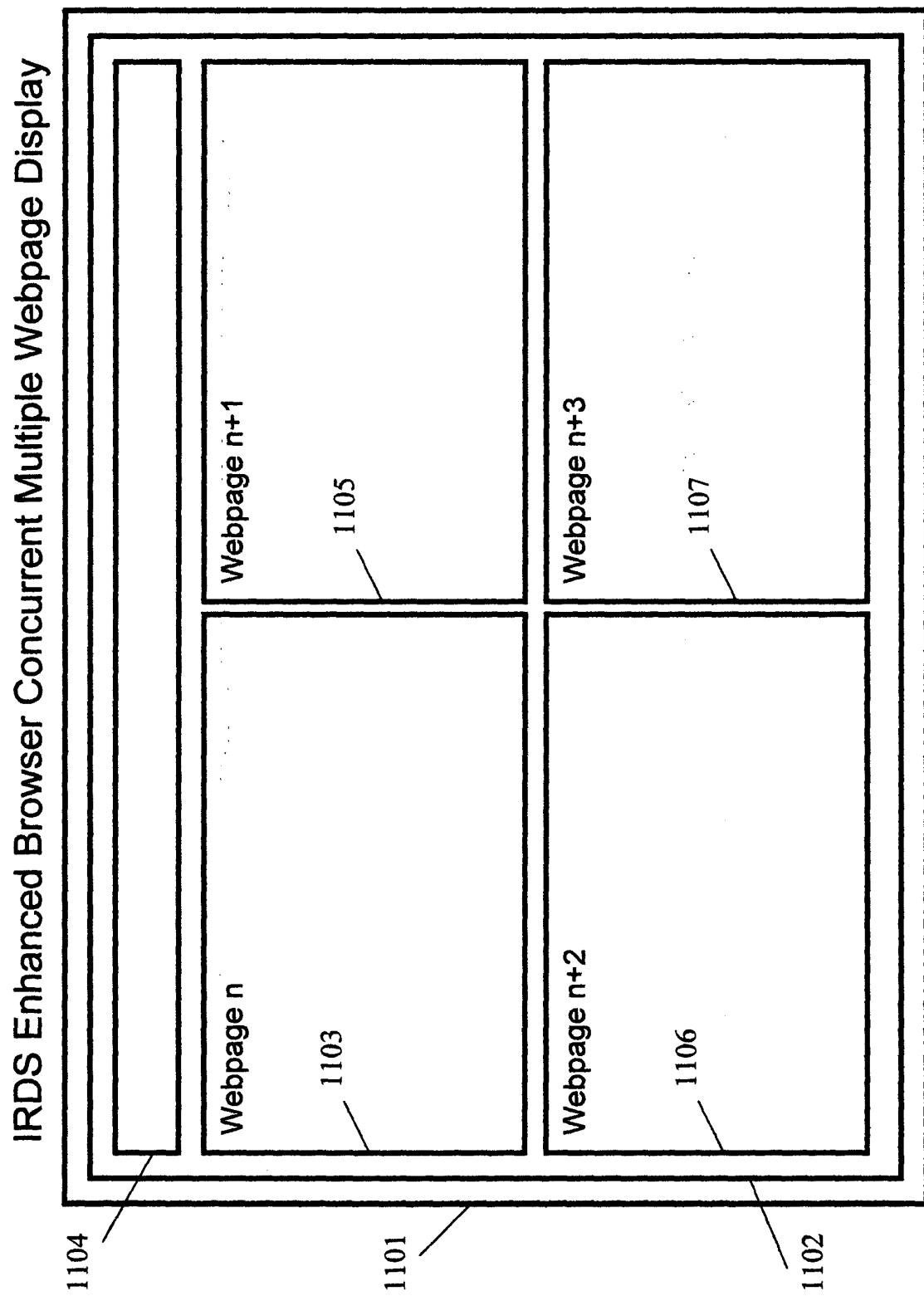
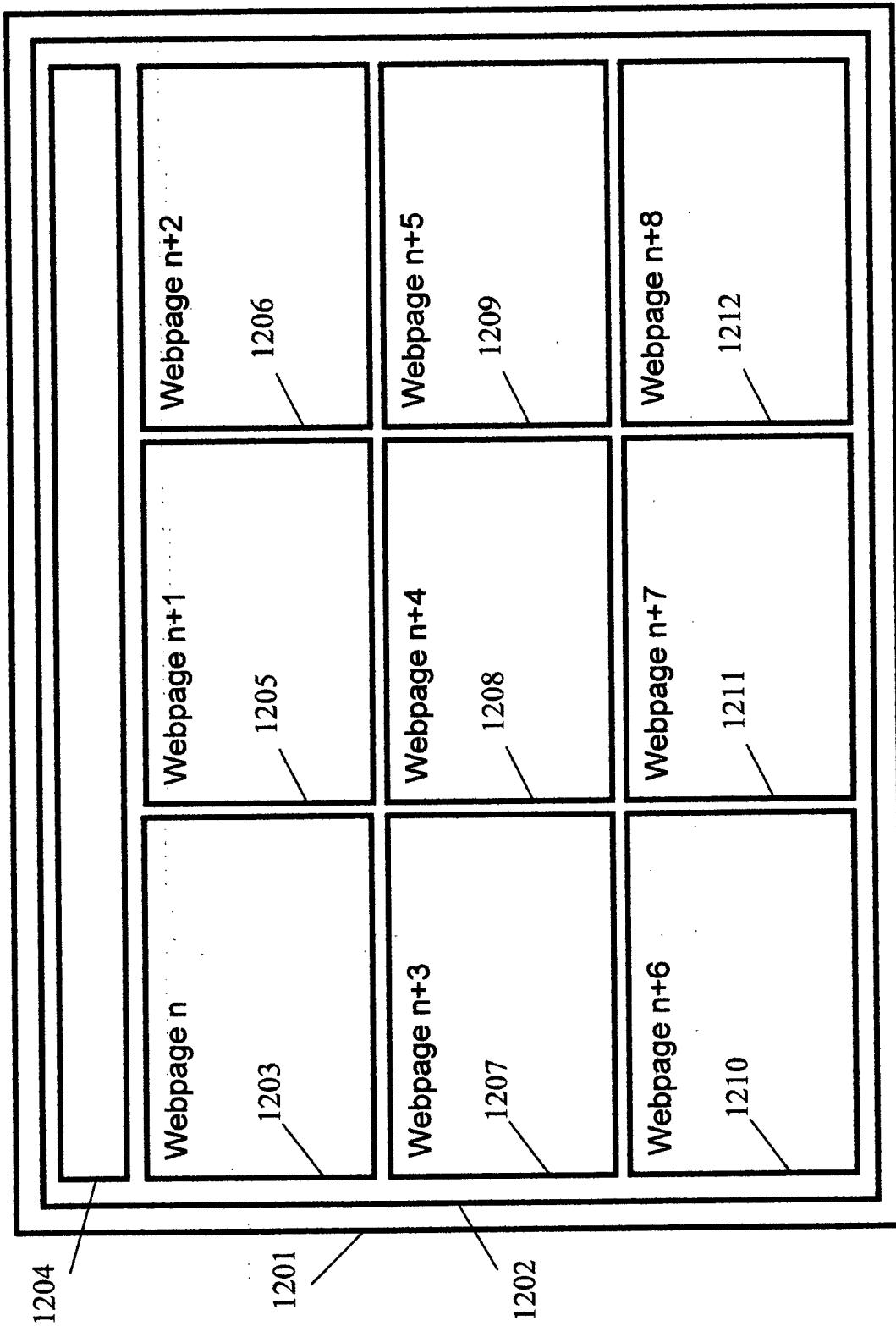


Figure 11

"Information Retrieval and Display System"  
Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

**IRDS Enhanced Browser Concurrent Multiple Webpage Display**



**Figure 12**

## IRDS Based Information Acquisition and Review Cycle

"Information Retrieval and Display System"  
Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

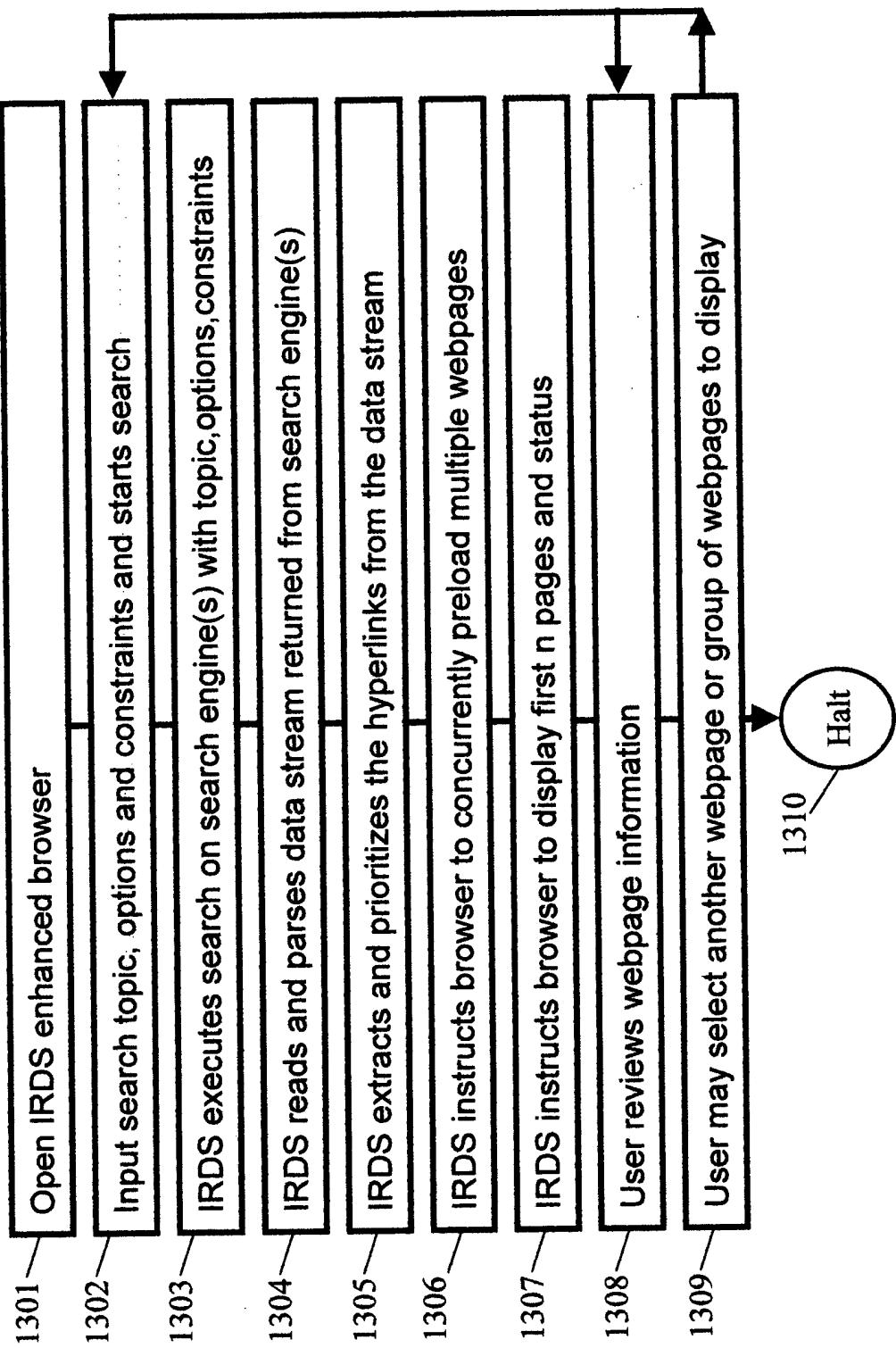


Figure 13

## IRDS Directed Concurrent Multiple Webpage Preloading

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

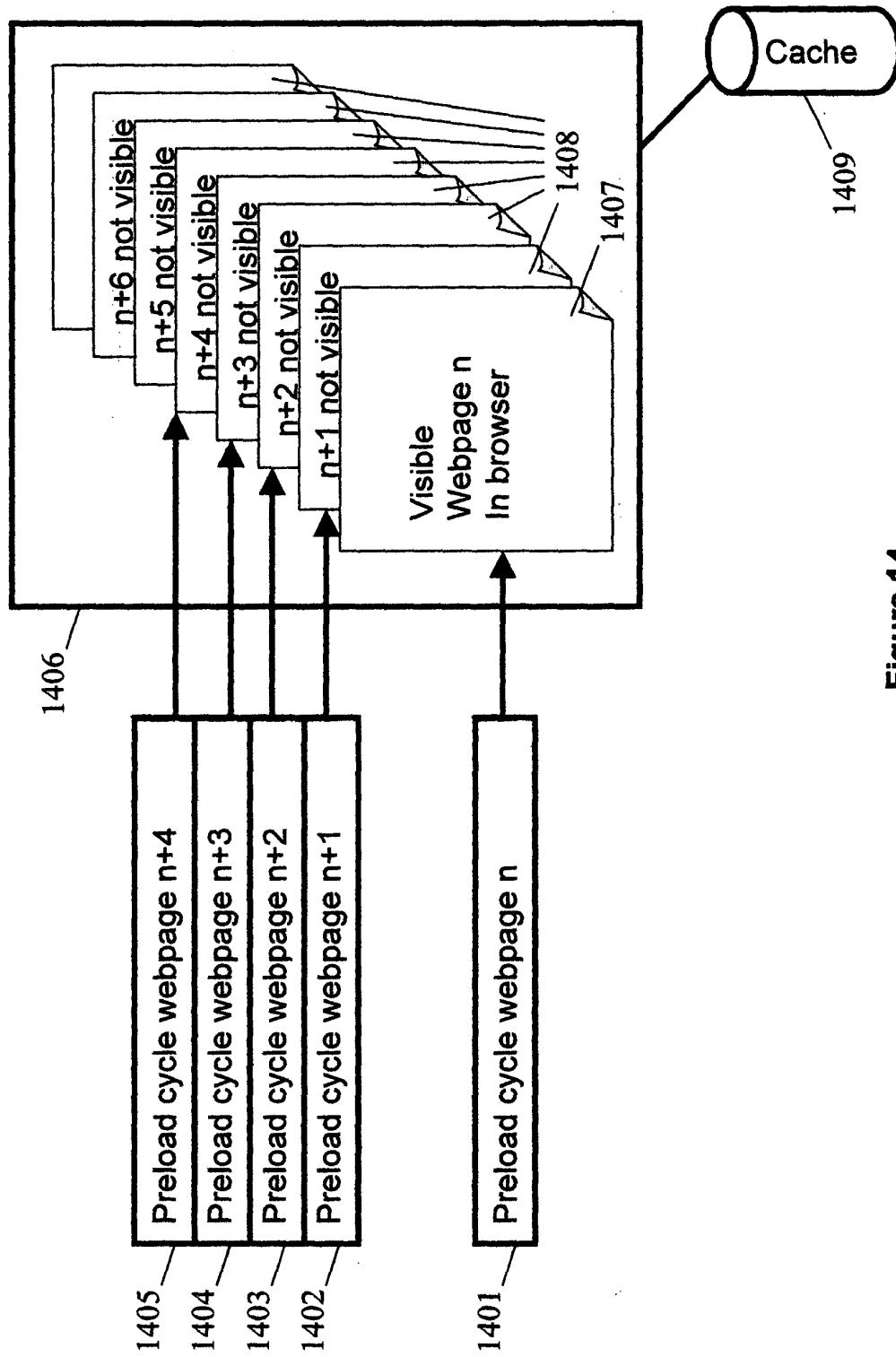


Figure 14

## IRDS Directed Next-In-Queue Webpage Preloading

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

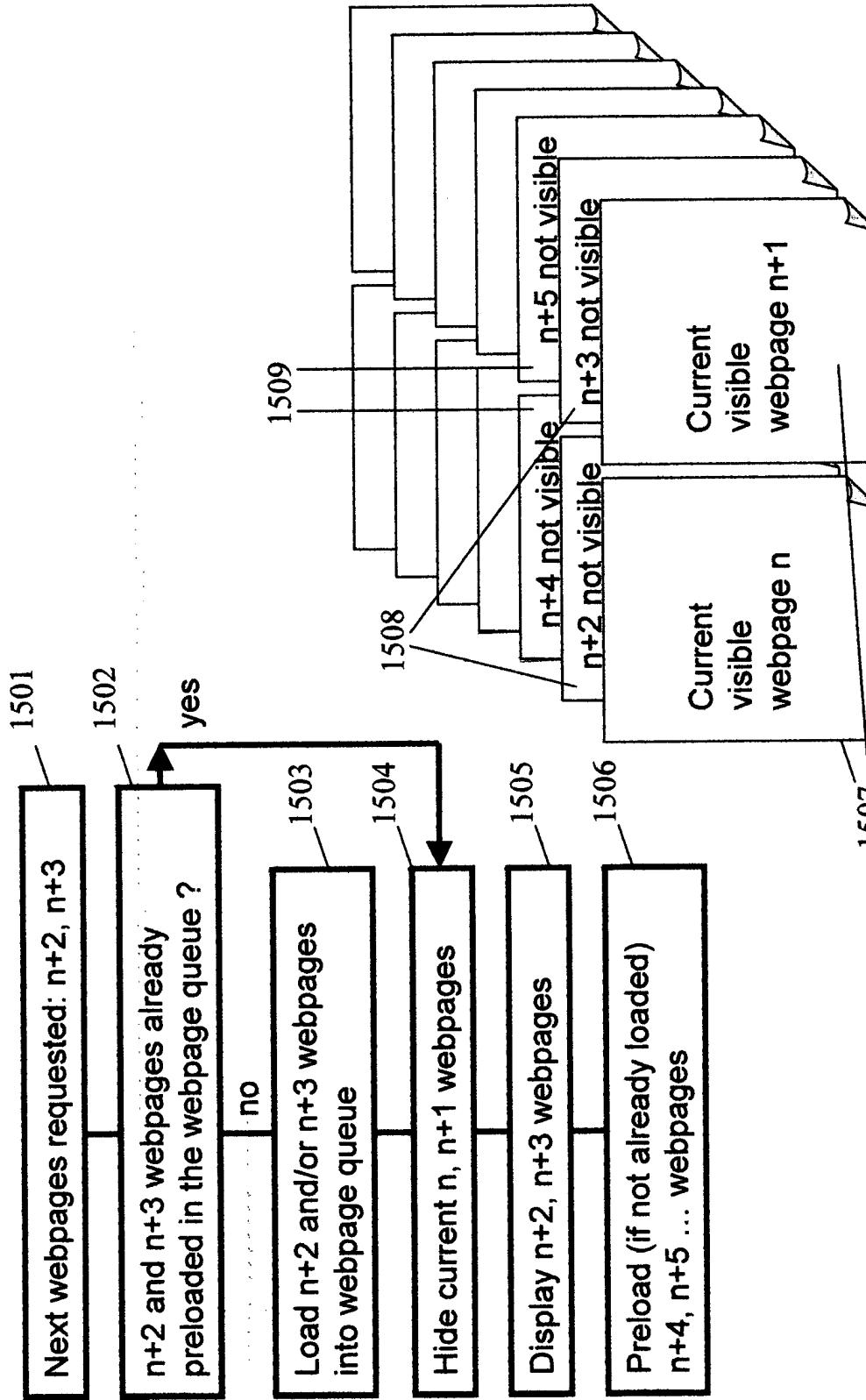


Figure 15

"Information Retrieval and Display System"  
Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

## IRDS Directed Periodic Webpage Preloading

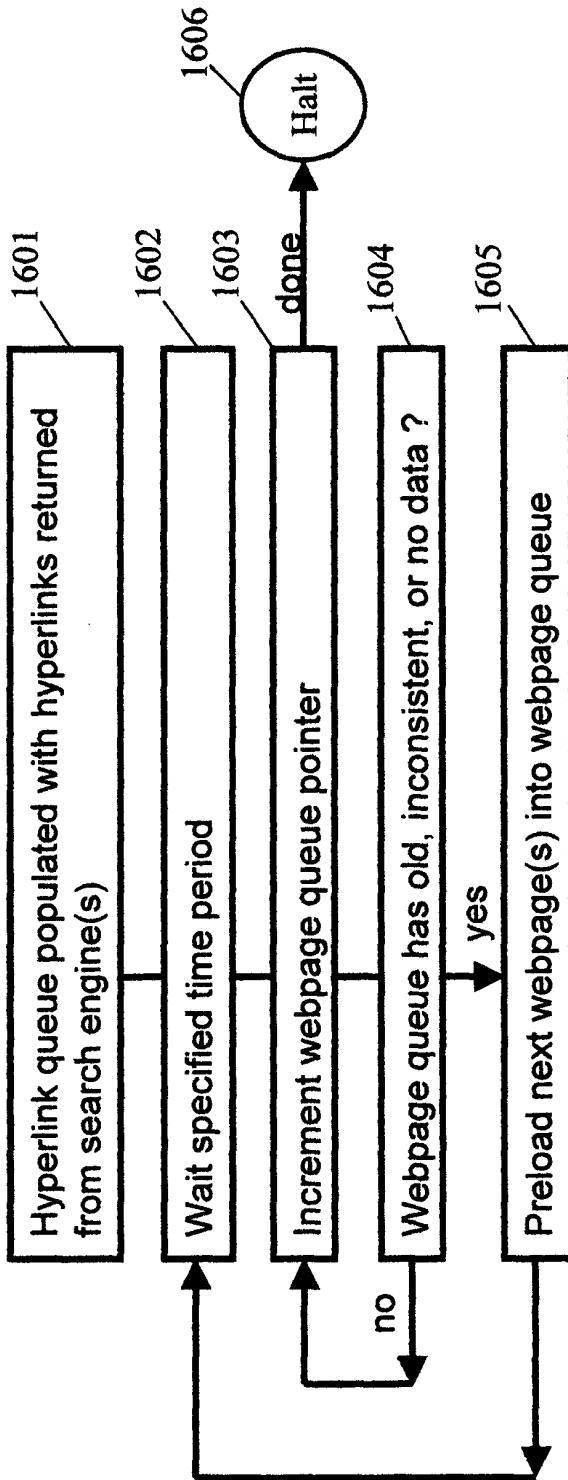


Figure 16

## IRDS Directed Periodic Webpage Preloading with Loading Collision Avoidance

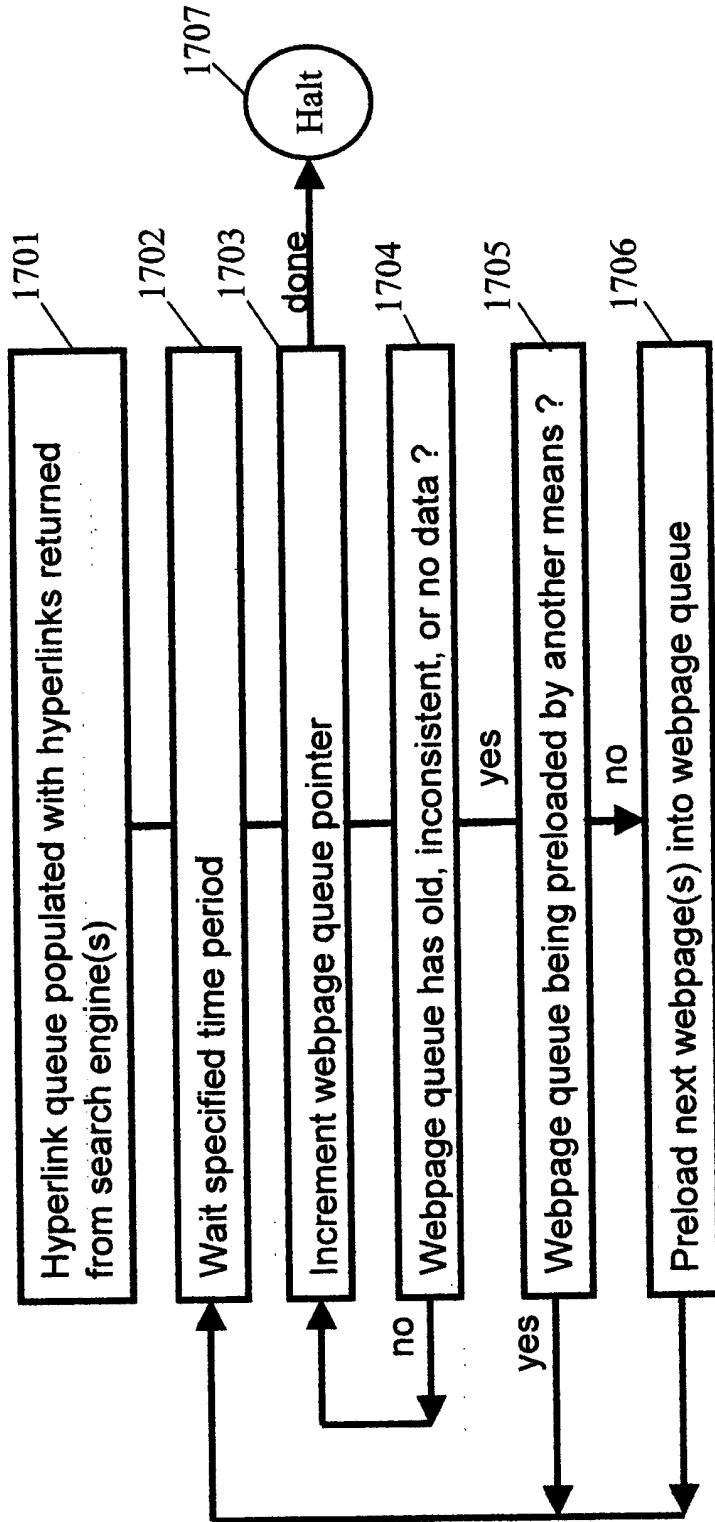


Figure 17

## IRDS Directed Periodic Webpage Preloading with Network and Processor Saturation Avoidance

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

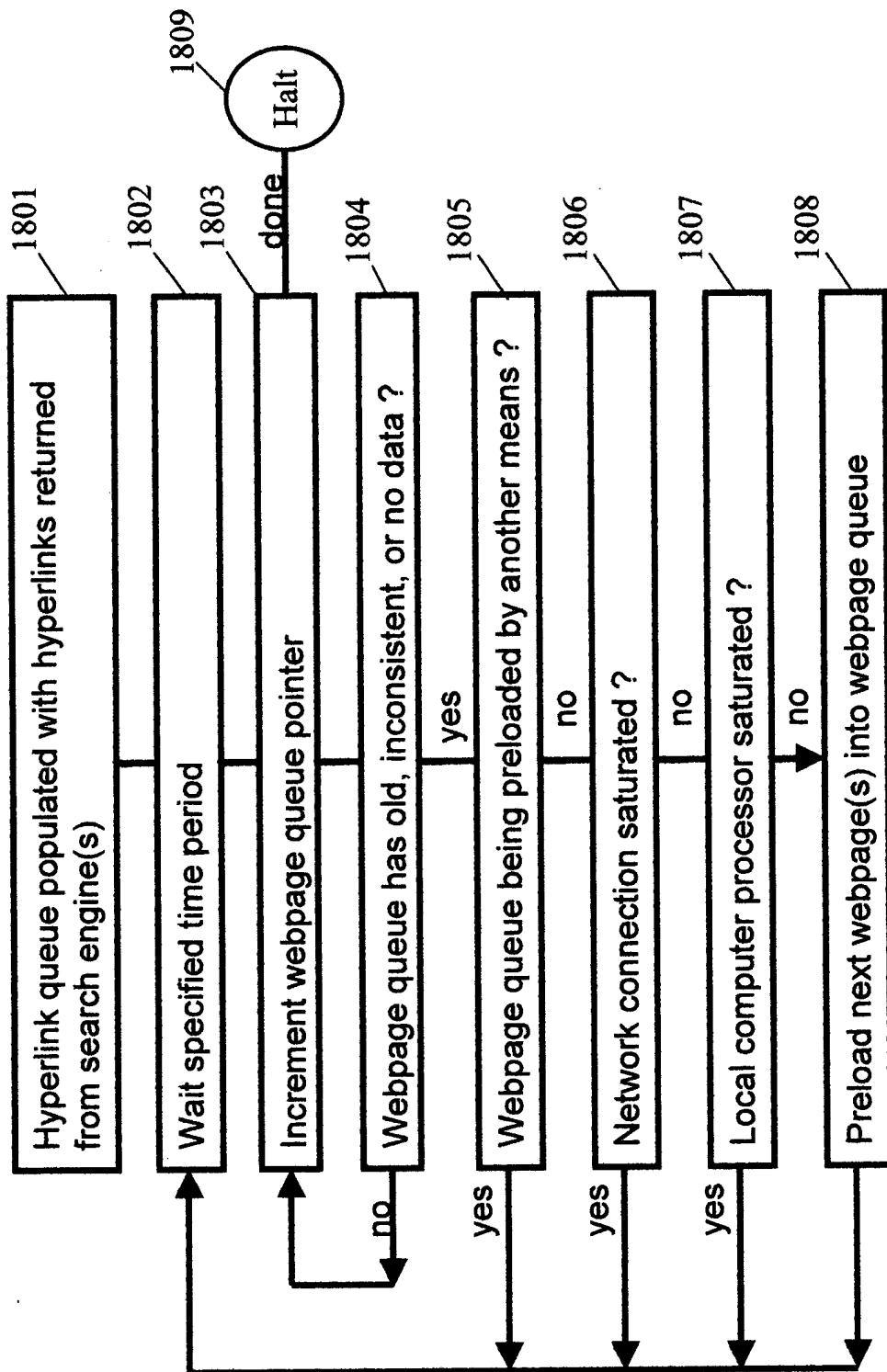
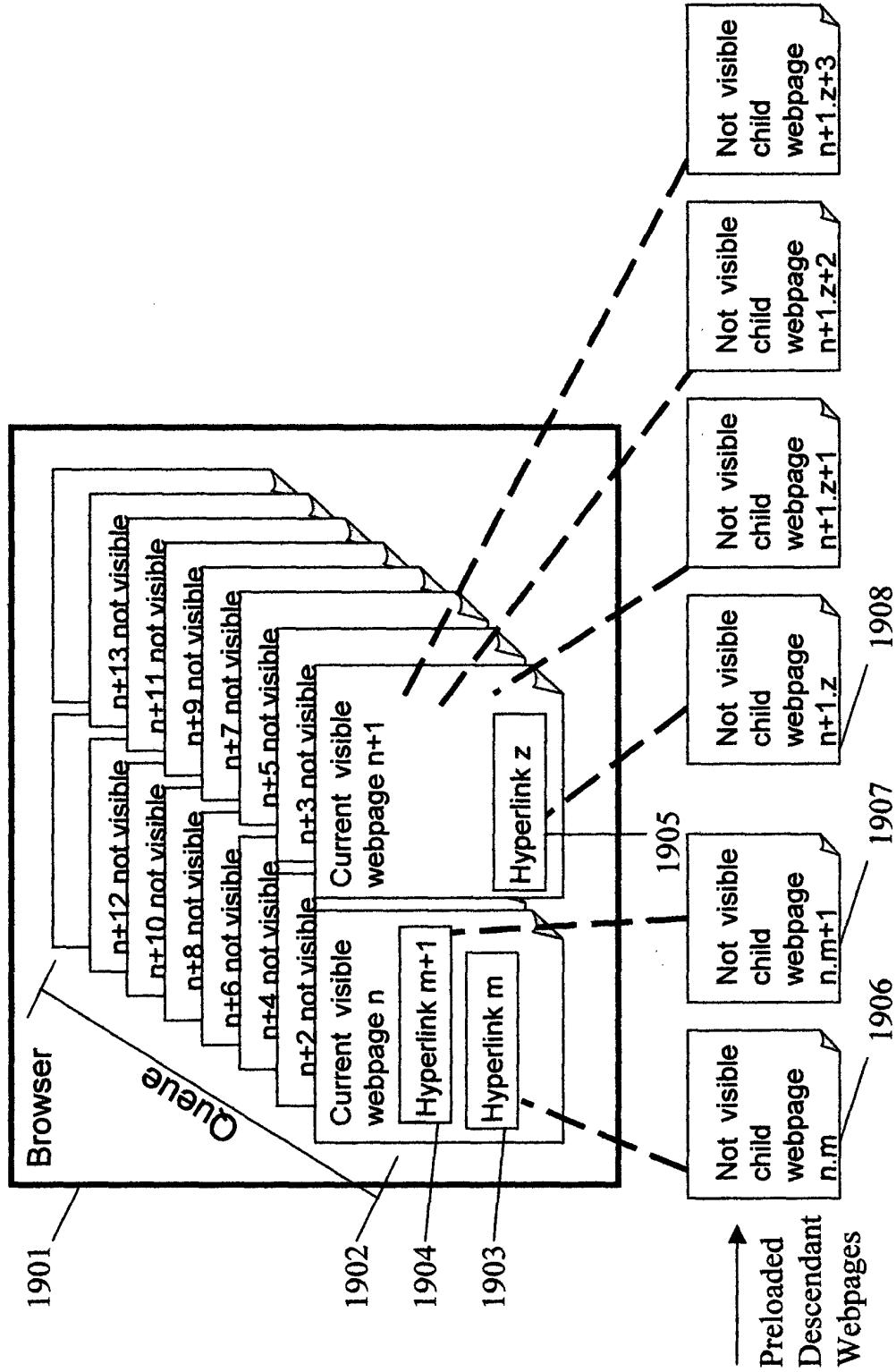


Figure 18

## IRDS Directed Descendant Webpage Preloading



**Figure 19**

## IRDS Enhanced Browser Set Number of Pages to Display Function

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

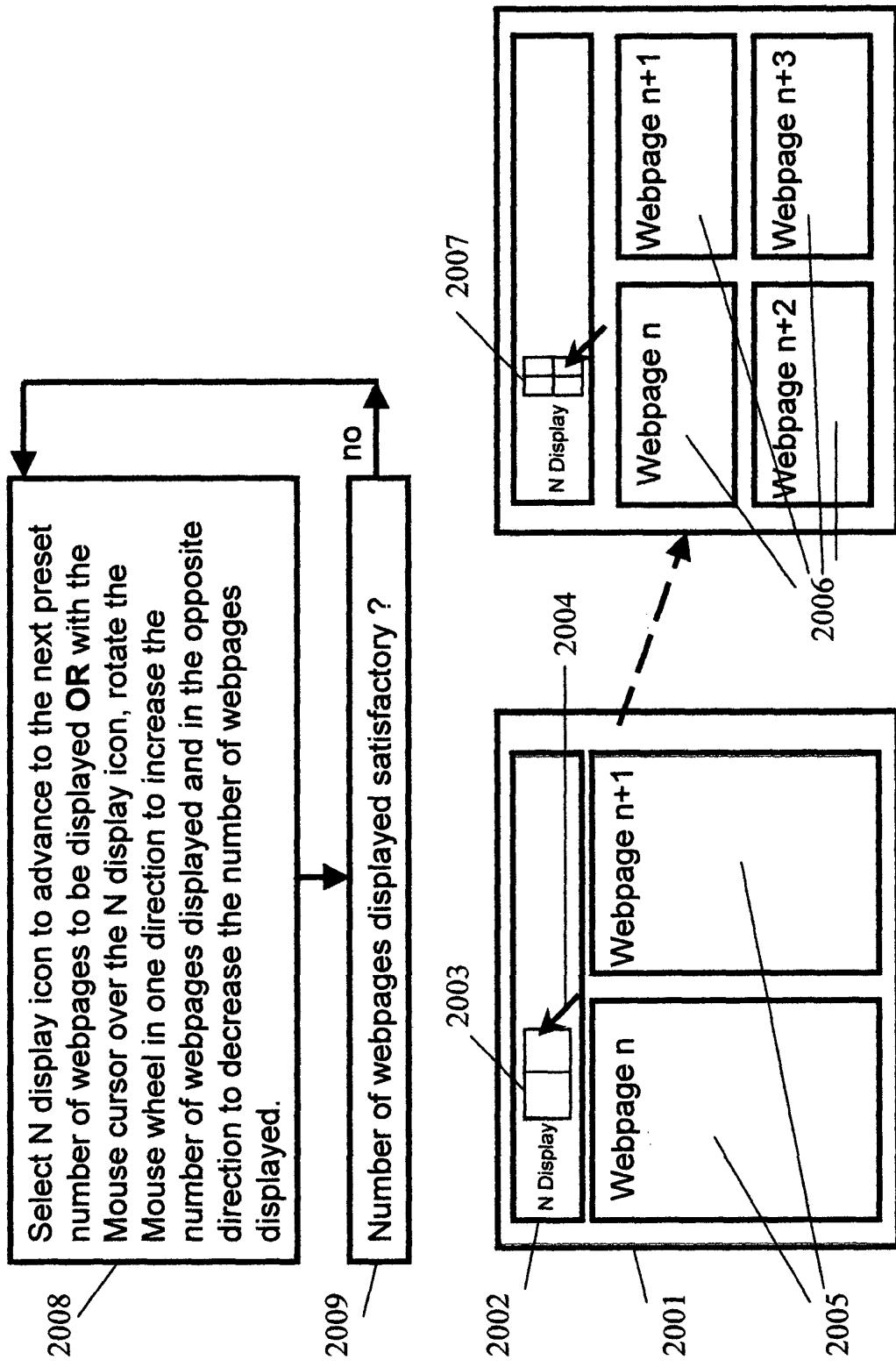


Figure 20

## IRDS Enhanced Browser Zoom Webpage Function

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

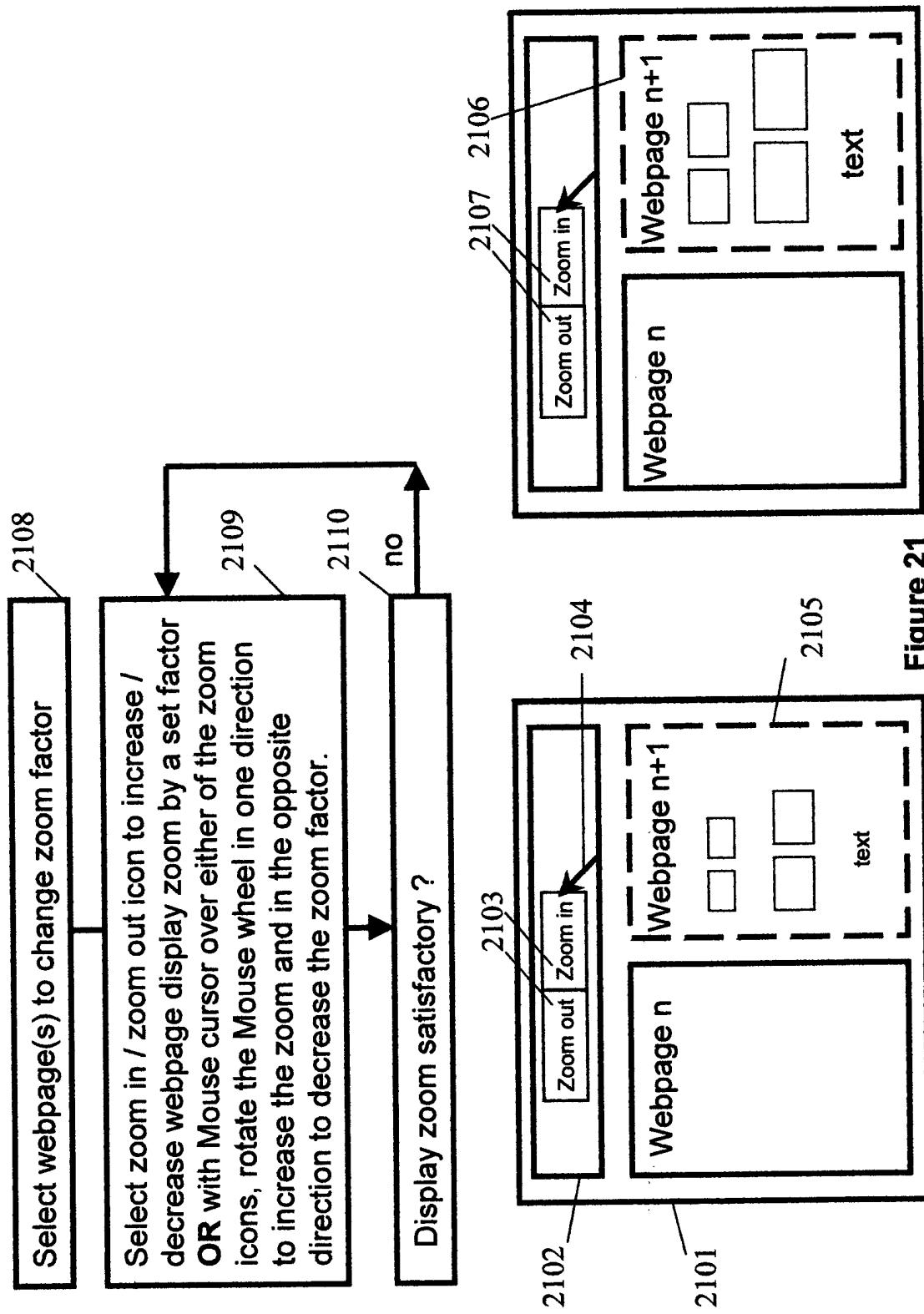


Figure 21

## IRDS Enhanced Browser Full Display Function

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

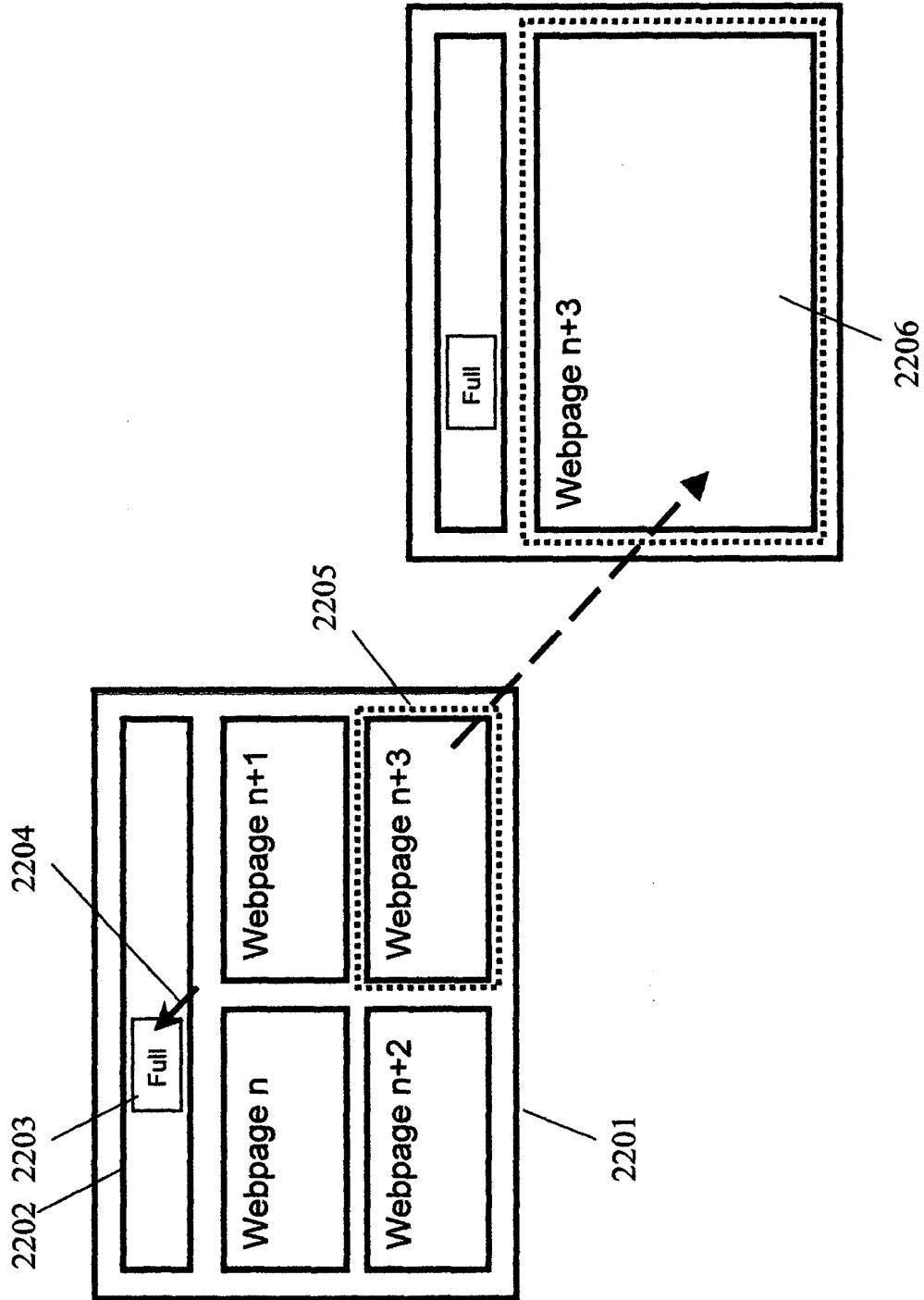


Figure 22

## IRDS Enhanced Browser to Conventional Browser Mode Function

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

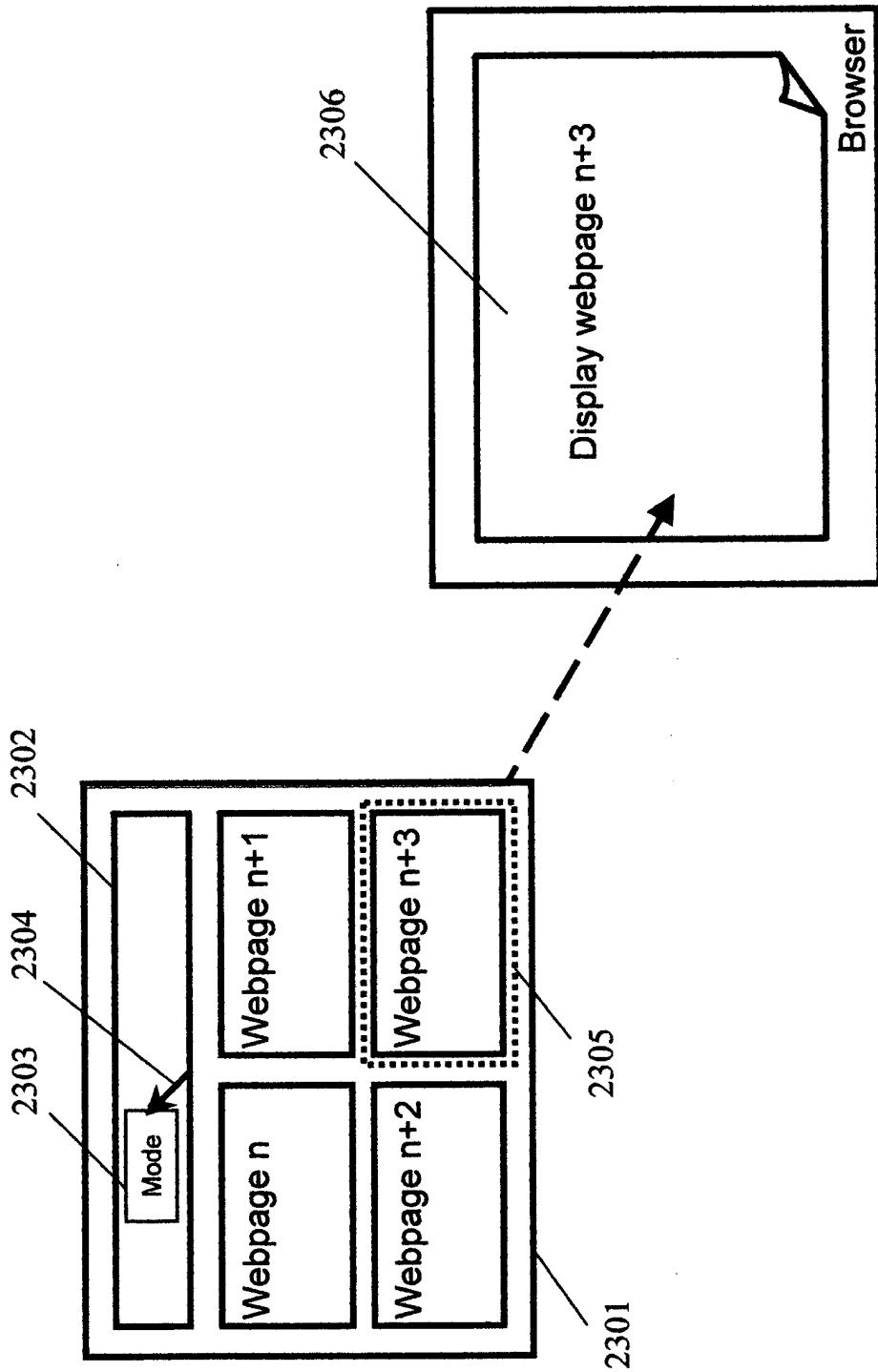


Figure 23

## IRDS Enhanced Browser Imaging Function

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

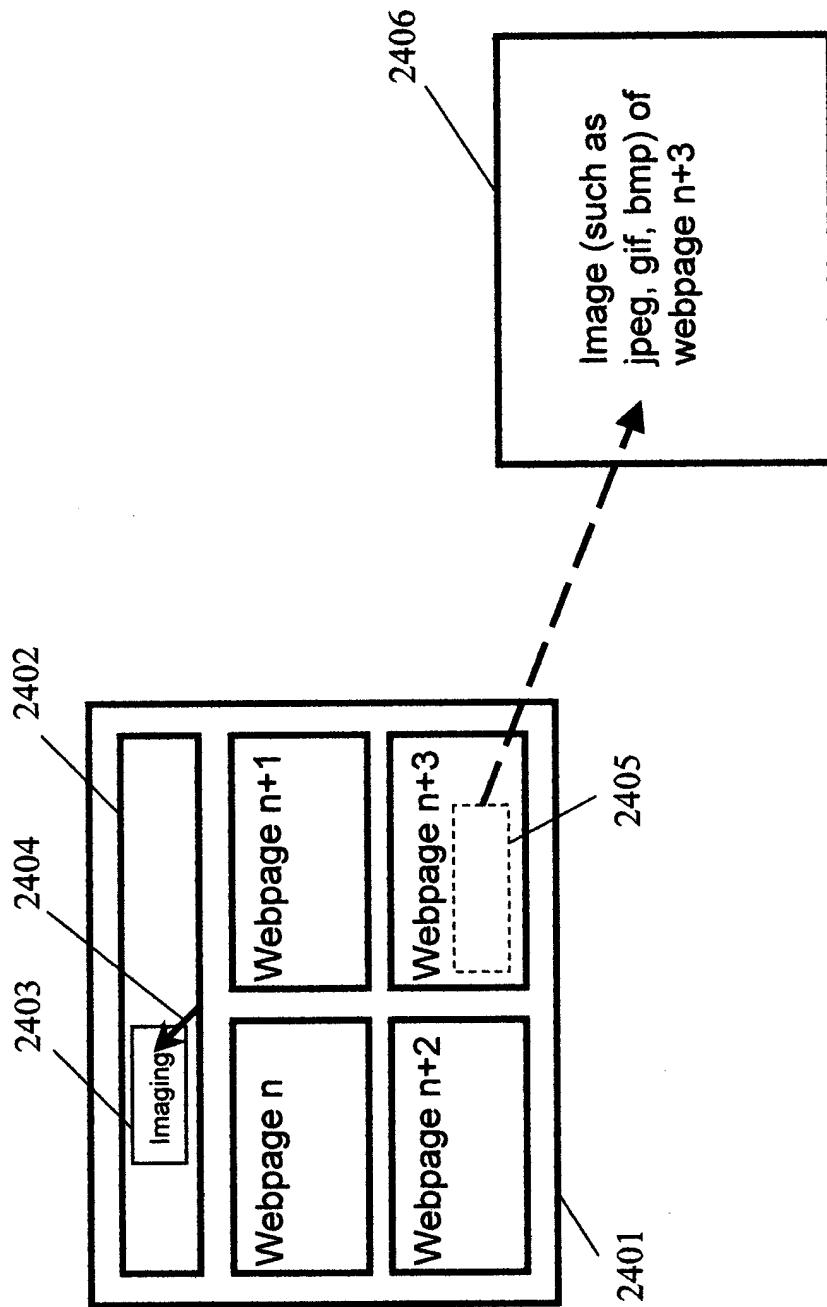


Figure 24

## IRDS Enhanced Browser Remove Webpage Function

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

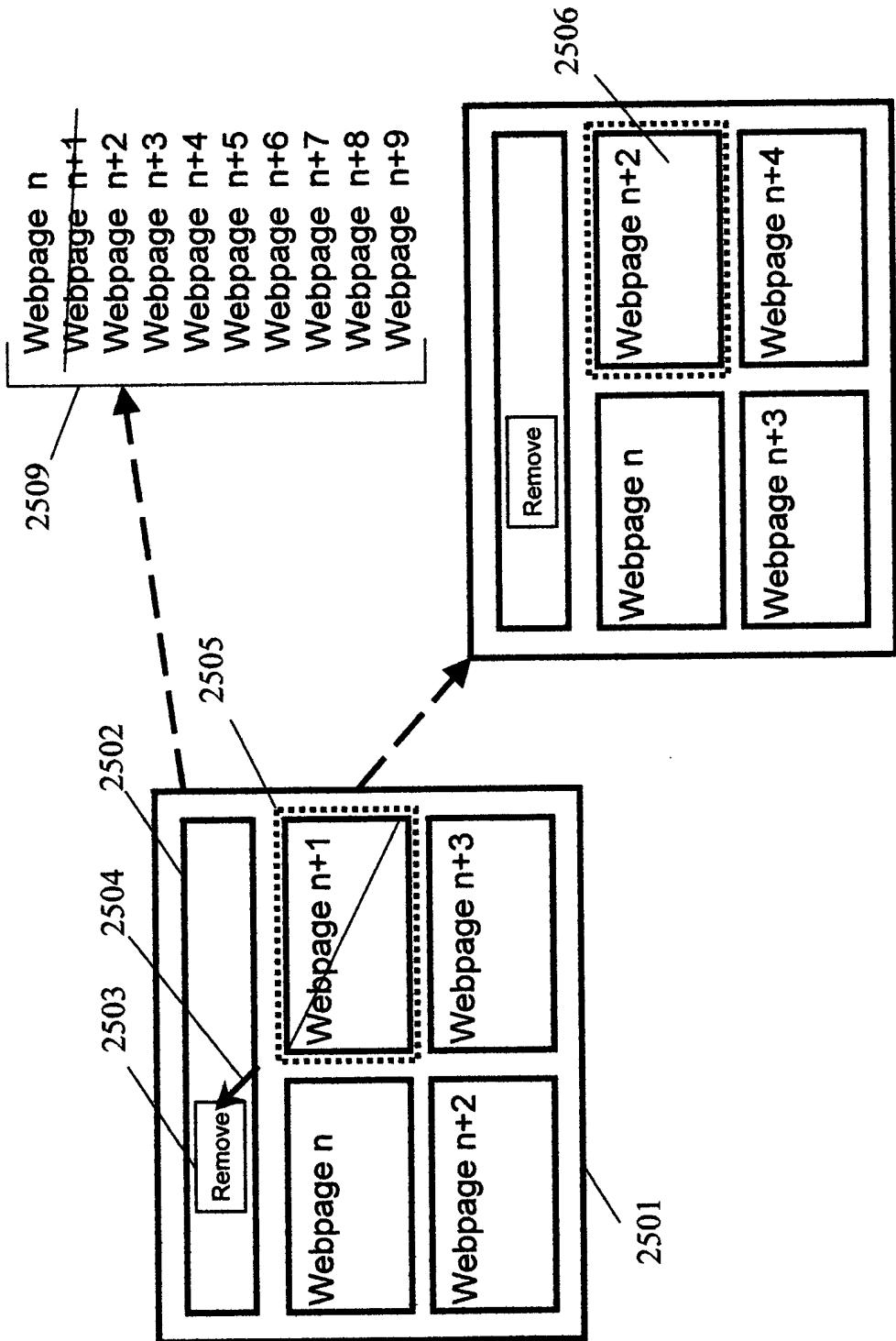
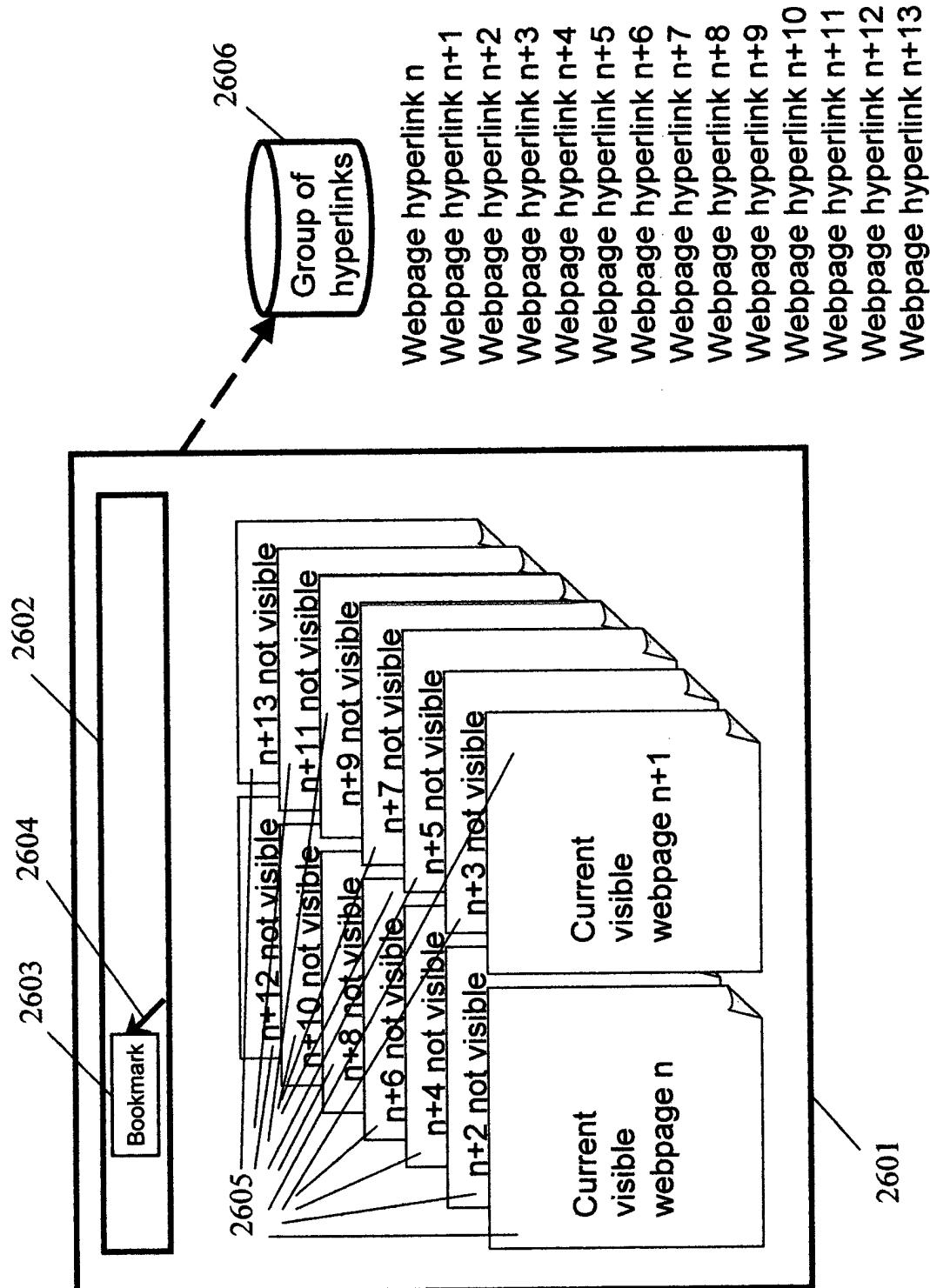


Figure 25

IRDS Enhanced Browser Bookmark Function

## **“Information Retrieval and Display System”**

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com



**Figure 26**

## Populating Alternate Set or Queue for Selected Webpages

"Information Retrieval and Display System"

Alan Swahn, 95 Kara Drive, North Andover, MA 01845, 978-794-1053, alan@swahn.com

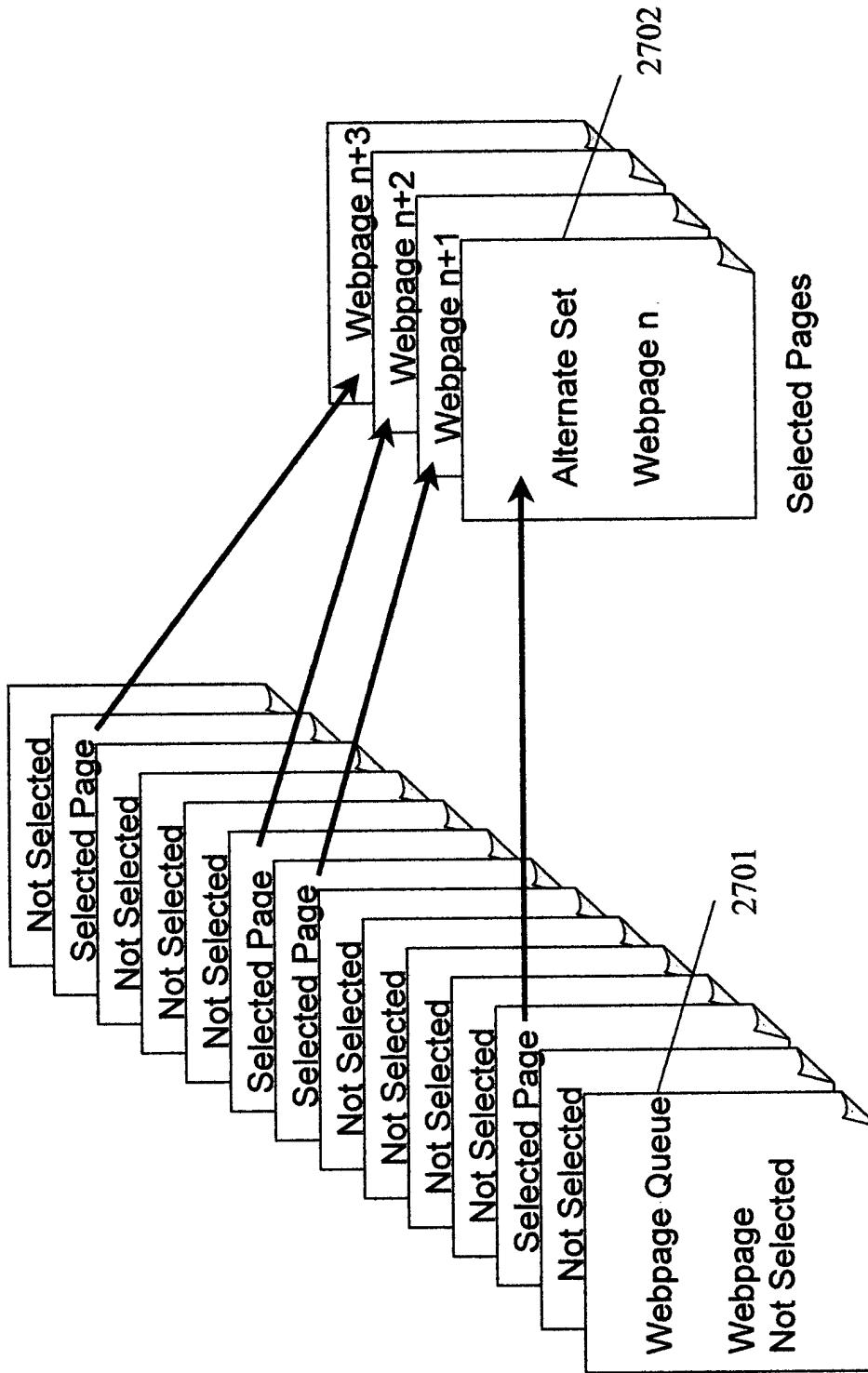


Figure 27